# Conservation Practice Physical Effects - Field Windbreak (392)

Soil Resource Problem / Consideration	Effect
. Erosion	Negligible
(a) Sheet and Rill	Moderate + to Significant +
(b) Wind	Negligible
(c) Concentrated Flow: Ephemeral Gully	Not Applicable
(d) Concentrated Flow: Classic Gully	Not Applicable
(e) Streambank	Negligible to Slight -
(f) Irrigation Induced	
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Not Applicable
(i) Safety	Not Applicable
Condition	Circle . An Cimpilionne .
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Slight + to Significant +
(b) Soil Compaction	Slight + to Significant +
Soil Contaminants	A1 12-25-4-
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Negligible
3. Deposition	
(a) Damage: Onsite	Slight + to Moderate +
(b) Damage: Offsite	Slight + to Significant +
(c) Safety: Onsite	Slight + to Significant +
(d) Safety: Offsite	Slight +
Water Resource Problem / Consideration	Effect
1. Quantity	Slight + to Slight -
(a) Excess Amounts: Seeps	Slight -
(b) Excess Amounts: Runoff / Flooding	Not Applicable
(c) Excess Amounts: Subsurface Water	Not Applicable
(d) Inadequate Outlets	Not Applicable
(e) Water Management for Irrigated Land	Moderate + to Significant +
(f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Slight - to Significant -
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Slight + to Moderate +
(h) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes	Negligible
	• -
2. Quality	
Groundwater Contaminants	Negligible to Slight -
(a) Pesticides	Negligible to Slight -
(b) Nutrients and Organics	Negligible to Slight -
(c) Salinity	Negligible to Slight -
(d) Heavy Metals	Negligible
(e) Pathogens	1
Surface Water Contaminants (Streams and Lakes)	Negligible to Slight -
(g) Pesticides	Negligible to Slight -
(h) Nutrients and Organics	Negligible
(i) Suspended Sediment and Turbidity	Negligible
(j) Low Dissolved Oxygen	Negligible to Slight -
(k) Salinity	Negligible to Slight -
(I) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Negligible
(o) Aquatic Habitat Suitability	

#### Conservation Practice Physical Effects - Field Windbreak (392), page 2

Air Resource Problem / Consideration	Effect
Quality	Moderate + to Significant + Slight + to Moderate +
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Moderate + to Significant +
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Slight + to Moderate +
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Moderate + to Significant +
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Slight + to Moderate +
(g) Airborne Sediment Particulates Causing Conveyance Problems	Slight + to Moderate +
(h) Airborne Chemical Drift: Onsite	Negligible
(i) Airborne Chemical Drift: Offsite	Negligible
(i) Airborne Odors	Not Applicable
2. Condition	
(a) Air Temperature	Slight + to Moderate +
(b) Air Movement	Moderate + to Significant +
(c) Humidity	Slight + to Moderate +
Plant Resource Problem / Consideration	Effect
1. Suitability	Significant +
(a) Plants are not well adapted to site	Significant +
(b) Plants are unsuitable for intended use	Significant +
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	Moderate + to Significant +
(a) Cropland	Moderate + to Significant +
(b) Hayland and Pastureland	Moderate + to Significant +
(c) Rangeland	
(d) Seeded Rangeland	Moderate + to Significant + Not Applicable
(e) Annual Rangeland	Not Applicable
(f) Forestland	Moderate + to Significant +  Moderate + to Significant +
(g) Other Land (Wildlife, Recreation, etc.)	
(h) Health and Vigor	Slight +
(i) Plant Damage by Wind Erosion	Silgit +
3. Management	Moderate + to Significant +
(a) Establishment, Growth, and Harvest	Not Applicable
(b) Nutrient Management	Slight + to Slight -
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Signt + to Signt -
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	Slight + to Moderate +
(a) Food	Slight + to Nigariticant +
(b) Cover or Shelter	Negligible
(c) Quantity and Quality of Drinking Water	i togiigisio
Wildlife	Slight + to Moderate +
(d) Food	Slight + to Significant +
(e) Cover or Shelter	Negligible
(f) Quantity and Quality of Drinking Water	1,4091191010
2. Management	Slight + to Moderate +
(a) Population / Resource Balance	Slight + to Significant +
(b) Animal Health	Cargina i to digramount .

# Conservation Practice Physical Effects - Filter Strip (393)

(a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (d) Concentrated Flow: Classic Gully (d) Streambank (f) Irrigation Induced (d) Soil Mass Movement (h) Roadbanks and Construction Sites (f) Safety Condition (a) Soil Tith, Crusting, Water Infiltration, Organic Material (b) Soil Compaction Soil Contaminants (c) Excess Aminal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Fertilizer (g) Excess Fertilizer (g) Safety Consite (g) Safety: Onsite (h) Damage: Offsite (g) Safety: Onsite (g) Excess Amounts: Subsurface Water (d) Inadequate Outlets (g) Handangement for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (g) Restricted Capacity For Sediment Deposition in Small Water Conveyance: (g) Pesticides (g) Pathogens Surface Water Contaminants (a) Pesticides (g) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (g) Salinity (h) Low Dissolved Oxygen (k) Salinity (h) Heavy Metals (m) Temperature (n) Pathogens	Soil Resource Problem / Consideration	Effect
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(m) Temperature  (n) Pathogens  Slight + to Significant +		Negligible
(o) Aquatic Habitat Suitability		Slight + to Significant +

#### Conservation Practice Physical Effects - Filter Strip (393), page 2

Alf Resource Problem / Consideration	Effect
. Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Not Applicable
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Not Applicable
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Not Applicable
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Not Applicable
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Not Applicable
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Not Applicable Negligible
(g) Airborne Sediment Particulates Causing Conveyance Problems	
(h) Airborne Chemical Drift: Onsite	Not Applicable
(i) Airborne Chemical Drift: Offsite	Not Applicable
(j) Airborne Odors	Not Applicable
2. Condition	
(a) Air Temperature	Slight +
(b) Air Movement	Slight +
(c) Humidity	Slight +
Plant Resource Problem / Consideration	Effect
1. Suitability	Significant +
(a) Plants are not well adapted to site	1
(b) Plants are unsuitable for intended use	Significant +
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	00 10 10 00-64
(a) Cropland	Slight + to Slight -
(b) Hayland and Pastureland	Slight + to Slight -
(c) Rangeland	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Not Applicable
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Slight + to Slight -
(h) Health and Vigor	Slight + to Slight -
(i) Plant Damage by Wind Erosion	Not Applicable
3. Management	
(a) Establishment, Growth, and Harvest	Not Applicable
(b) Nutrient Management	Not Applicable
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight - to Moderate -
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	Neglicible to Moderate (
(a) Food	Negligible to Moderate +
(b) Cover or Shelter	Negligible to Significant +
(c) Quantity and Quality of Drinking Water	Slight + to Significant +
Wildlife	
(d) Food	Negligible to Moderate +
(e) Cover or Shelter	Negligible to Significant +
(f) Quantity and Quality of Drinking Water	Slight + to Significant +
2. Management	_
(a) Population / Resource Balance	Negligible to Slight +
	Slight - to Moderate -

#### Conservation Practice Physical Effects - Firebreak (394)

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. Erosion	Significant + to Slight -
(a) Sheet and Rill	Negligible to Moderate -
(b) Wind	Significant + to Significant -
(c) Concentrated Flow: Ephemeral Gully	Significant + to Significant -
(d) Concentrated Flow: Classic Gully	-
(e) Streambank	Slight + to Significant +
(f) Irrigation Induced	Not Applicable
(g) Soil Mass Movement	Slight + to Significant +
(h) Roadbanks and Construction Sites	Slight + to Significant +
(i) Safety	Negligible to Slight -
. Condition	0. 15
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Significant + to Slight -
(b) Soil Compaction	Slight - to Significant -
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Not Applicable
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Negligible to Slight -
3. Deposition	
(a) Damage: Onsite	Significant +
(b) Damage: Offsite	Slight + to Significant +
(c) Safety: Onsite	Slight + to Significant +
(d) Safety: Offsite	Slight + to Significant +
	Negligible
	Negligible
(a) Excess Amounts: Seeps	Significant + to Moderate -
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding	Significant + to Moderate - Negligible
(a) Excess Amounts: Seeps	Significant + to Moderate - Negligible Slight - to Moderate -
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant +
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (c) Restricted Canacity From Sediment Deposition in Small Water Conveyance: Onsite	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate +
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate +
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate +
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (h) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate +
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant +
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Pestricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant +
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (i) Pestricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant + Negligible to Slight - Negligible to Slight -
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant +  Negligible to Slight - Negligible
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant +  Negligible to Slight - Negligible Negligible Negligible
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant + Negligible to Slight - Negligible to Slight - Negligible
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant +  Negligible to Slight - Negligible Negligible Negligible
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes)	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant + Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Negligible Negligible Negligible
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Negligible Negligible Negligible Negligible to Slight -
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes)  (g) Pesticides (h) Nutrients and Organics (h) Nutrients and Organics (h) Nutrients and Organics	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Negligible Negligible to Slight -
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens  Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Negligible Negligible Negligible Negligible to Slight -
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Negligible Negligible to Slight - Negligible Negligible to Slight -
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Negligible Negligible to Slight - Negligible Negligible Negligible to Slight - Negligible Negligible to Slight -
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens  Surface Water Contaminants (Streams and Lakes)  (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Negligible Negligible Slight + to Significant +  Negligible to Slight - Negligible Negligible Negligible Negligible to Slight - Negligible to Slight - Negligible to Slight - Negligible to Slight + Negligible
(b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (i) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Significant + to Moderate - Negligible Slight - to Moderate - Not Applicable Significant + Moderate + Slight + to Moderate + Slight + to Significant +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Negligible Slight - Negligible to Slight - Negligible Negligible Negligible Negligible Negligible to Slight - Negligible

#### Conservation Practice Physical Effects - Firebreak (394), page 2

\ir Resource Problem / Consideration	Effect	
Quality		
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Slight + to Significant +	
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Slight + to Significant +	
(a) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Slight + to Significant +	
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Negligible Slight + to Significant + Slight + to Significant + Negligible Not Applicable	
(a) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite		
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite		
(g) Airborne Sediment Particulates Causing Conveyance Problems		
(h) Airborne Chemical Drift: Onsite		
(i) Airborne Chemical Drift: Offsite	Not Applicable	
(i) Airborne Odors	Negligible	
2. Condition		
(a) Air Temperature	Not Applicable	
(b) Air Movement	Not Applicable	
(c) Humidity	Not Applicable	
Plant Resource Problem / Consideration	Effect	
1. Suitability	Not Applicable	
(a) Plants are not well adapted to site	Slight + to Significant +	
(b) Plants are unsuitable for intended use	Signt + to significant	
2. Condition		
Productivity (Kinds, Amounts, & Distribution)	Slight + to Significant +	
(a) Cropland	Slight + to Significant +	
(b) Hayland and Pastureland	Slight + to Significant +	
(c) Rangeland	Slight + to Significant +	
(d) Seeded Rangeland	Not Applicable Slight + to Significant +	
(e) Annual Rangeland		
(f) Forestland	Slight + to Significant +	
(g) Other Land (Wildlife, Recreation, etc.)	Slight + to Significant +	
(h) Health and Vigor	Negligible to Moderate -	
(i) Plant Damage by Wind Erosion	Medigible to Moderate	
3. Management	Moderate + to Significant +	
(a) Establishment, Growth, and Harvest	Not Applicable	
(b) Nutrient Management	Negligible	
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Effect	
Animal Resource Problem / Consideration	Choo	
1. Habitat		
Domestic Animals	Slight + to Significant +	
(a) Food	Slight + to Significant +	
(b) Cover or Shelter (c) Quantity and Quality of Drinking Water	Slight + to Moderate +	
Wildlife	Slight + to Significant +	
(d) Food	Slight + to Significant +	
(e) Cover or Shelter	Slight + to Moderate +	
(f) Quantity and Quality of Drinking Water		
2. Management	Slight + to Significant +	
(a) Population / Resource Balance	Not Applicable	
(b) Animal Health	Mor Applicable	

#### Conservation Practice Physical Effects - Fish Stream Improvement (395)

Soil Resource Problem / Consideration	Effect
. Erosion	
(a) Sheet and Rill	Slight + to Significant +
(b) Wind	Negligible
(c) Concentrated Flow: Ephemeral Gully	Slight + to Significant +
(d) Concentrated Flow: Classic Gully	Slight + to Significant +
(e) Streambank	Moderate + to Significant +
(f) Irrigation Induced	Moderate +
(g) Soil Mass Movement	Slight + to Significant +
(h) Roadbanks and Construction Sites	Slight + to Significant +
(i) Safety	Slight + to Significant +
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Slight +
(b) Soil Compaction	Negligible
Soil Contaminants	• •
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Moderate +
(d) Excess Animal Wastes & Other Organics	Negligible to Significant +
(e) Excess Fertilizer	Negligible to Significant +
(f) Excess Petitides	Negligible to Significant +
17	, , , , g , g ,
3. Deposition	Slight +
(a) Damage: Onsite	Slight + to Significant +
(b) Damage: Offsite	Slight +
(c) Safety: Onsite (d) Safety: Offsite	Slight +
Water Resource Problem / Consideration	Effect
1. Quantity	Negligible
(a) Excess Amounts: Seeps	Slight + to Significant +
(b) Excess Amounts: Runoff / Flooding	Negligible to Slight +
(c) Excess Amounts: Subsurface Water	Negligible to Significant +
(d) Inadequate Outlets	Negligible to Significant +
(e) Water Management for Irrigated Land	Negligible to Significant +
(f) Water Management for Non- Irrigated Land	Negligible to Significant +
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Negligible to Significant + Negligible to Significant +
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Negligible to Significant +
2. Quality	
•	
Groundwater Contaminants	
(a) Pesticides	Negligible to Moderate +
· · · · · · · · · · · · · · · · · · ·	Negligible to Moderate +
(a) Pesticides	Negligible to Moderate + Negligible to Moderate +
(a) Pesticides (b) Nutrients and Organics	Negligible to Moderate + Negligible to Moderate + Negligible to Moderate +
(a) Pesticides (b) Nutrients and Organics (c) Salinity	Negligible to Moderate + Negligible to Moderate +
(a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals	Negligible to Moderate + Negligible to Moderate + Negligible to Moderate +
(a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens	Negligible to Moderate +
(a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes)	Negligible to Moderate + Negligible to Moderate +
(a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides	Negligible to Moderate +
(a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity	Negligible to Moderate +
(a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen	Negligible to Moderate + Moderate + to Significant
(a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Negligible to Moderate +
(a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals	Negligible to Moderate + Moderate + to Significant + Negligible to Significant +
(a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Negligible to Moderate + Moderate + to Significant + Negligible to Significant + Negligible to Significant +

Air Resource Problem / Consideration	Effect
. Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Not Applicable
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Not Applicable
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Not Applicable
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Not Applicable
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Not Applicable
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Not Applicable
(g) Airborne Sediment Particulates Causing Conveyance Problems	Not Applicable
(h) Airborne Chemical Drift: Onsite	Moderate +
(i) Airborne Chemical Drift: Offsite	Negligible to Significant +
(j) Airborne Odors	Not Applicable
2. Condition	
(a) Air Temperature	Negligible
(b) Air Movement	Negligible
(c) Humidity	Not Applicable
	Effect
Plant Resource Problem / Consideration	Епест
1. Suitability	Negliaibte to Cinnificant
(a) Plants are not well adapted to site	Negligible to Significant +
(b) Plants are unsuitable for intended use	Negligible
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	1
(a) Cropland	Slight + to Significant +
(b) Hayland and Pastureland	Slight + to Significant +
(c) Rangeland	Slight + to Significant +
(d) Seeded Rangeland	Slight + to Significant +
(e) Annual Rangeland	Not Applicable
(f) Forestland	Slight + to Significant +
(g) Other Land (Wildlife, Recreation, etc.)	Slight + to Significant +
(h) Health and Vigor	Slight + to Significant +
(i) Plant Damage by Wind Erosion	Negligible
3. Management	
(a) Establishment, Growth, and Harvest	Significant +
(b) Nutrient Management	Significant +
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Not Applicable
	Effect
Animal Resource Problem / Consideration	Circot
1. Habitat	
Domestic Animals	Moderate +
(a) Food	Moderate +
(b) Cover or Shelter	
(c) Quantity and Quality of Drinking Water	Moderate + to Significant +
Wildlife	
(d) Food	Moderate +
(e) Cover or Shelter	Moderate +
(f) Quantity and Quality of Drinking Water	Moderate + to Significant +
2. Management	
(a) Population / Resource Balance	Slight + to Significant +
· · · · · · · · · · · · · · · · · · ·	Negligible to Moderate +

#### Conservation Practice Physical Effects - Fishpond Mgt. (399)

Soil Resource Problem / Consideration	Effect
. Erosion	
(a) Sheet and Rill	Significant +
(b) Wind	Slight +
(c) Concentrated Flow: Ephemeral Gully	Significant +
(d) Concentrated Flow: Classic Gully	Significant +
(e) Streambank	Significant +
(f) Irrigation Induced	Moderate + to Significant +
(g) Soil Mass Movement	Significant +
(h) Roadbanks and Construction Sites	Significant +
(i) Safety	Negligible
Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Slight +
(b) Soil Compaction	Negligible
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Moderate +
(d) Excess Animal Wastes & Other Organics	Moderate +
(e) Excess Fertilizer	Moderate + to Significant +
(f) Excess Pesticides	Moderate +
Deposition	
(a) Damage: Onsite	Slight +
(b) Damage: Offsite	Slight + to Significant +
(c) Safety: Onsite	Slight +
(d) Safety: Offsite	Slight +
Quantity	Maglicible
(a) Excess Amounts: Seeps	Negligible
(b) Excess Amounts: Runoff / Flooding	Slight + to Significant +
(c) Excess Amounts: Subsurface Water	Negligible to Slight +
(d) Inadequate Outlets	Negligible to Significant +
(e) Water Management for Irrigated Land	Negligible to Significant +
(f) Water Management for Non- Irrigated Land	Significant +
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Significant +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Moderate + to Significant +
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Significant +
. Quality	
Groundwater Contaminants	
(a) Pesticides	Moderate + to Significant +
(b) Nutrients and Organics	Negligible to Moderate +
(c) Salinity	Significant +
(d) Heavy Metals	Significant +
(e) Pathogens	Negligible to Moderate +
Surface Water Contaminants (Streams and Lakes)	
(g) Pesticides	Significant +
(h) Nutrients and Organics	Significant +
(i) Suspended Sediment and Turbidity	Significant +
	Significant +
(j) Low Dissolved Oxygen	
• •	Significant +
(k) Salinity	Significant + Moderate + to Significant +
(k) Salinity (l) Heavy Metals	•
(k) Salinity	Moderate + to Significant +

Air Resource Problem / Consideration	Effect
1. Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Not Applicable
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Not Applicable
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Not Applicable
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Not Applicable
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Not Applicable
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Not Applicable
(g) Airborne Sediment Particulates Causing Conveyance Problems	Not Applicable
(h) Airborne Chemical Drift: Onsite	Moderate +
(i) Airborne Chemical Drift: Offsite	Moderate +
(j) Airborne Odors	Moderate +
2. Condition	Moderate +
(a) Air Temperature	Not Applicable
(b) Air Movement	• •
(c) Humidity	Not Applicable
	Not Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability	
(a) Plants are not well adapted to site	Negligible to Significant +
(b) Plants are unsuitable for intended use	Moderate +
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Not Applicable
(b) Hayland and Pastureland	Not Applicable
(c) Rangeland •	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Not Applicable
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Slight + to Significant +
(h) Health and Vigor	Slight + to Significant +
(i) Plant Damage by Wind Erosion	
B. Management	Negligible
(a) Establishment, Growth, and Harvest	0::
(b) Nutrient Management	Significant +
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Significant +
	Not Applicable
Animal Resource Problem / Consideration	Effect
. Habitat	
Domestic Animals	
(a) Food	Slight + to Significant +
(b) Cover or Shelter	Slight + to Significant +
(c) Quantity and Quality of Drinking Water	Slight + to Significant +
Wildlife	_
(d) Food	Slight + to Significant +
(e) Cover or Shelter	Slight + to Significant +
(f) Quantity and Quality of Drinking Water	Slight + to Significant +
Management	Signi i to digililloant +
(a) Population / Resource Balance	Significant +
	-
(b) Animal Health	Significant +

# Conservation Practice Physical Effects - Floodway (404)

Soil Resource Problem / Consideration	Effect
. Erosion	
(a) Sheet and Rill	Negligible
(b) Wind	Negligible
(c) Concentrated Flow: Ephemeral Gully	Negligible
(d) Concentrated Flow: Classic Gully	Slight + to Moderate +
(e) Streambank	Slight + to Significant +
(f) Irrigation Induced	Negligible
(g) Soil Mass Movement	Slight +
(h) Roadbanks and Construction Sites	Negligible
(i) Safety	Slight + to Moderate +
Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Negligible
(b) Soil Compaction	Negligible
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Negligible
. Deposition	
(a) Damage: Onsite	Slight +
(b) Damage: Offsite	Slight + to Moderate +
(c) Safety: Onsite	Slight +
(d) Safety: Offsite	Slight + to Moderate +
Quantity	Slight +
(a) Excess Amounts: Seeps	Moderate - to Significant +
(b) Excess Amounts: Runoff / Flooding	Negligible
(c) Excess Amounts: Subsurface Water	Slight + to Significant +
(d) Inadequate Outlets	Slight +
(e) Water Management for Irrigated Land	Negligible
(f) Water Management for Non- Irrigated Land	Slight + to Moderate +
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Slight + to Moderate +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Slight + to Moderate +
2. Quality	
Groundwater Contaminants	Clicks to Clicks I
(a) Pesticides	Slight - to Slight +
(b) Nutrients and Organics	Slight - to Slight +
(c) Salinity	Slight - to Slight +
(d) Heavy Metals	Slight - to Slight +
(e) Pathogens	Slight - to Slight +
Surface Water Contaminants (Streams and Lakes)	
(g) Pesticides	Slight - to Slight +
(h) Nutrients and Organics	Slight - to Slight +
(i) Suspended Sediment and Turbidity	Slight - to Slight +
(j) Low Dissolved Oxygen	Slight - to Slight +
(k) Salinity	Slight - to Slight +
(I) Heavy Metals	Slight - to Slight +
(m) Temperature	Slight - to Slight +
	CULTA to OUTLAND
(n) Pathogens	Slight - to Slight + Negligible

#### Conservation Practice Physical Effects - Floodway (404), page 2

Air Resource Problem / Consideration	Effect
I. Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Negligible
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Negligible
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Negligible
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Negligible
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Negligible Negligible
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	
(g) Airborne Sediment Particulates Causing Conveyance Problems	Negligible
(h) Airborne Chemical Drift: Onsite	Negligible
(i) Airborne Chemical Drift: Offsite	Negligible
(j) Airborne Odors	Negligible
2. Condition	
(a) Air Temperature	Negligible
(b) Air Movement	Negligible
(c) Humidity	Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability	
(a) Plants are not well adapted to site	Slight - to Slight +
(b) Plants are unsuitable for intended use	Negligible
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Slight +
(b) Hayland and Pastureland	Slight +
(c) Rangeland	Slight +
(d) Seeded Rangeland	Slight +
(e) Annual Rangeland	Not Applicable
(f) Forestland	Slight +
(g) Other Land (Wildlife, Recreation, etc.)	Slight +
(h) Health and Vigor	Negligible to Slight +
(i) Plant Damage by Wind Erosion	Negligible
3. Management	
(a) Establishment, Growth, and Harvest	Slight + to Moderate +
(b) Nutrient Management	Negligible
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight - to Negligible
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	N. W. L. A. Olimbia
(a) Food	Negligible to Slight +
(b) Cover or Shelter	Negligible
(c) Quantity and Quality of Drinking Water	Negligible to Slight +
Wildlife	
(d) Food	Negligible to Slight +
(e) Cover or Shelter	Negligible to Moderate +
(f) Quantity and Quality of Drinking Water	Negligible to Slight +
2. Management	
(a) Population / Resource Balance	Negligible
(b) Animal Health	Negligible

# Conservation Practice Physical Effects - Grade Stabilization Structure (410)

Soil Resource Problem / Consideration	Effect
. Erosion	Not Applicable
(a) Sheet and Rill	Not Applicable
(b) Wind	Not Applicable
(c) Concentrated Flow: Ephemeral Gully	Negligible
(d) Concentrated Flow: Classic Gully	Significant +
(e) Streambank	Negligible to Significant +
(f) Irrigation Induced	Not Applicable
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Negligible to Moderate +
(i) Safety	Not Applicable
Condition	N. A. allaskia
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Not Applicable
(b) Soil Compaction	Not Applicable
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Not Applicable
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Not Applicable
3. Deposition	
(a) Damage: Onsite	Negligible to Significant +
(b) Damage: Offsite	Negligible to Significant +
(c) Safety: Onsite	Negligible to Significant +
(d) Safety: Offsite	Negligible to Significant +
(d) Safety: Offsite  Water Resource Problem / Consideration	Regligible to Significant +
Water Resource Problem / Consideration  1. Quantity	Effect
Water Resource Problem / Consideration  1. Quantity (a) Excess Amounts: Seeps	Effect Not Applicable
Water Resource Problem / Consideration  1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding	Effect  Not Applicable Not Applicable
Water Resource Problem / Consideration  1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water	Effect  Not Applicable  Not Applicable  Not Applicable
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets	Effect  Not Applicable Not Applicable Not Applicable Significant +
Water Resource Problem / Consideration  1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable
Water Resource Problem / Consideration  1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Note Measurement for Nogel Irrigated Land	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant +
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (c) President Consents From Sediment Deposition in Small Water Conveyance: Onside	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + e Slight + to Significant +
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + e Slight + to Significant +
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (c) President Consents From Sediment Deposition in Small Water Conveyance: Onside	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + e Slight + to Significant +
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + e Slight + to Significant +
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant +
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible Negligible
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Significant + Negligible Negligible Negligible Negligible
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Significant + Negligible Negligible Negligible Negligible Negligible Negligible
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Significant + Negligible Negligible Negligible Negligible
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens  Surface Water Contaminants (Streams and Lakes) (g) Pesticides	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens  Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (f) Nutrients and Organics (g) Pesticides (h) Nutrients and Organics	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens  Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible Slight + to Moderate +
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsid (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsid (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Negligible
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible
Water Resource Problem / Consideration  1. Quantity  (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsit (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsit (i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens  Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals	Effect  Not Applicable Not Applicable Not Applicable Significant + Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible

#### Conservation Practice Physical Effects - Grade Stabilization Structure (410), page 2

Aif Resource Problem / Consideration	Effect
Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Not Applicable
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Not Applicable
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Not Applicable
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Not Applicable
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Not Applicable
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite (g) Airborne Sediment Particulates Causing Conveyance Problems	Not Applicable
	Not Applicable
(h) Airborne Chemical Drift: Onsite	Not Applicable
(i) Airborne Chemical Drift: Offsite	Not Applicable
(i) Airborne Odors	Not Applicable
2. Condition	
(a) Air Temperature	Not Applicable
(b) Air Movement	Not Applicable
(c) Humidity	Not Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability	Moderate + to Significant +
(a) Plants are not well adapted to site	Not Applicable
(b) Plants are unsuitable for intended use	, , , , , , , , , , , , , , , , , , ,
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	Negligible
(a) Cropland	Negligible
(b) Hayland and Pastureland	Negligible
(c) Rangeland	Negligible
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Negligible
(f) Forestland	Negligible
(g) Other Land (Wildlife, Recreation, etc.)	Negligible
(h) Health and Vigor	Negligible
(i) Plant Damage by Wind Erosion	Negligible
3. Management	Moderate + to Significant +
(a) Establishment, Growth, and Harvest	Not Applicable
(b) Nutrient Management	Not Applicable
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Not Applicable
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	Negligible to Moderate +
(a) Food	Negligible to Moderate +
(b) Cover or Shelter	Negligible to Moderate +
(c) Quantity and Quality of Drinking Water	
Wildlife	Negligible to Moderate +
(d) Food	Negligible to Moderate +
(e) Cover or Shelter	Negligible to Moderate +
(f) Quantity and Quality of Drinking Water	110gilgible to medicate
2. Management	Negligible
(a) Population / Resource Balance	Not Applicable
(b) Animal Health	

#### Conservation Practice Physical Effects - Grassed Waterway (412)

Soil Resource Problem / Consideration	Effect
. Erosion	
(a) Sheet and Fill	Negligible
(b) Wind	Negligible
(c) Concentrated Flow: Ephemeral Guily	Significant +
(d) Concentrated Flow: Classic Gully	Significant +
(e) Streambank	Not Applicable
(f) Irrigation Induced	Not Applicable
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Significant +
(i) Safety	Negligible
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Negligible
(b) Soil Compaction	Negligible
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Negligible
\''	• •
3. Deposition	Negligible to Slight +
(a) Damage: Onsite	Slight +
(b) Damage: Offsite	Slight +
(c) Safety: Onsite (d) Safety: Offsite	Slight + to Moderate +
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding	Negligible  Moderate + to Significant +
(b) Excess Amounts: Runoff / Flooding	_
(c) Excess Amounts: Subsurface Water	
	Negligible
(d) Inadequate Outlets	Slight + to Significant +
(e) Water Management for Irrigated Land	Slight + to Significant + Negligible
(e) Water Management for Irrigated Land  (i) Water Management for Non- Irrigated Land	Slight + to Significant + Negligible Not Applicable
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (n) Restricted Canacity From Sediment Deposition in Small Water Conveyance: Onsite	Slight + to Significant + Negligible Not Applicable Slight + to Moderate +
(e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Canacity From Sediment Deposition in Small Water Conveyance: Offsite	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant +
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (n) Restricted Canacity From Sediment Deposition in Small Water Conveyance: Onsite	Slight + to Significant + Negligible Not Applicable Slight + to Moderate +
(e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Canacity From Sediment Deposition in Small Water Conveyance: Offsite	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant +
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate + Negligible to Slight -
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate + Negligible to Slight - Negligible to Slight -
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +  Negligible to Slight - Negligible to Slight - Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +  Negligible to Slight - Negligible to Slight - Negligible Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +  Negligible to Slight - Negligible to Slight - Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Pestricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Slight + to Moderate +
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes)	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Slight + to Moderate + Slight + to Moderate +
(e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Slight + to Moderate +
(e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Negligible to Slight +
(e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Negligible to Slight + Negligible to Slight + Negligible to Slight + Negligible to Slight +
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (k) Salinity	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Negligible to Slight + Negligible to Slight + Negligible to Slight + Negligible to Slight + Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Negligible to Slight + Negligible Negligible Negligible Negligible Negligible Negligible Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Slight + to Significant + Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +  Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Negligible to Slight + Negligible to Slight + Negligible to Slight + Negligible to Slight + Negligible

#### Conservation Practice Physical Effects - Grassed Waterway (412), page 2

Air Resource Problem / Consideration	Effect
I. Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Negligible
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Negligible
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Negligible
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Negligible
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Negligible
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Negligible
(g) Airborne Sediment Particulates Causing Conveyance Problems	Negligible
(h) Airborne Chemical Drift: Onsite	Negligible
(i) Airborne Chemical Drift: Offsite	Negligible
(i) Airborne Odors	Negligible
2. Condition	, <b>gg</b>
(a) Air Temperature	Not Applicable
• • • • • • • • • • • • • • • • • • • •	Negligible
(b) Air Movement	Not Applicable
(c) Humidity	140t Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability	
(a) Plants are not well adapted to site	Significant +
(b) Plants are unsuitable for intended use	Significant +
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Slight + to Slight -
(b) Hayland and Pastureland	Not Applicable
(c) Rangeland	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Not Applicable
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Not Applicable
(h) Health and Vigor	Slight + to Slight -
(i) Plant Damage by Wind Erosion	Slight +
3. Management	
- •	Slight +
(a) Establishment, Growth, and Harvest (b) Nutrient Management	Not Applicable
· · ·	Slight -
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)  Animal Resource Problem / Consideration	Effect
1. Habitat	
<u>Domestic Animals</u>	Negligible to Significant +
(a) Food	, , ,
(b) Cover or Shelter	Slight + to Significant +
(c) Quantity and Quality of Drinking Water	Negligible to Significant +
Wildlife	No all albia de Olas Massa
(d) Food	Negligible to Significant +
(e) Cover or Shelter	Slight + to Significant +
(f) Quantity and Quality of Drinking Water	Negligible to Significant +
2. Management	
(a) Population / Resource Balance	Slight + to Moderate +
(b) Animal Health	Negligible

#### Conservation Practice Physical Effects - Grazing Land Mech. Treat. (Pitting) (548)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Slight + to Significant +
(b) Wind	Slight + to Moderate +
(c) Concentrated Flow: Ephemeral Gully	Slight + to Moderate +
(d) Concentrated Flow: Classic Gully	Slight + to Moderate +
(e) Streambank	Slight + to Moderate +
(f) Irrigation Induced	Not Applicable
(g) Soil Mass Movement	Slight +
(h) Roadbanks and Construction Sites	Negligible
(i) Safety	Negligible
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Moderate + to Significant +
(b) Soil Compaction	Negligible to Slight +
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Slight + to Moderate +
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Not Applicable
3. Deposition	7,
(a) Damage: Onsite	Slight + to Moderate +
(b) Damage: Offsite	Slight + to Moderate +
(c) Safety: Onsite	Slight + to Moderate +
(d) Safety: Offsite	Slight + to Moderate +
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Slight + to Moderate +
(b) Excess Amounts: Runoff / Flooding	Slight + to Moderate +
(c) Excess Amounts: Subsurface Water	Slight + to Moderate +
(d) inadequate Outlets	Negligible
(e) Water Management for Irrigated Land	Slight +
(f) Water Management for Non- Irrigated Land	Slight + to Moderate +
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Slight + to Significant +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Slight + to Moderate +
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Slight + to Moderate +
2. Quality	
Groundwater Contaminants	
(a) Pesticides	Negligible
(b) Nutrients and Organics	Negligible
(c) Salinity	Negligible
(d) Heavy Metals	Negligible
(e) Pathogens	Negligible
Surface Water Contaminants (Streams and Lakes)	
	Negligible
(a) Pesticides	
(g) Pesticides  (h) Nutrients and Organics	Negligible
(h) Nutrients and Organics	Negligible Slight + to Moderate +
(h) Nutrients and Organics (i) Suspended Sediment and Turbidity	Slight + to Moderate +
(h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen	Slight + to Moderate + Negligible
(h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Slight + to Moderate + Negligible Negligible
(h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals	Slight + to Moderate + Negligible Negligible Negligible
(h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Slight + to Moderate + Negligible Negligible

Air Resource Problem / Consideration	Effect
I. Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Slight +
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite .	Slight +
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Slight + to Significant +
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Slight + to Significant +
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Slight +
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Slight +
(g) Airborne Sediment Particulates Causing Conveyance Problems	Slight +
(h) Airborne Chemical Drift: Onsite	Not Applicable
(i) Airborne Chemical Drift: Offsite	Not Applicable
(i) Airborne Odors	Not Applicable
2. Condition	
(a) Air Temperature	Negligible
(b) Air Movement	Negligible to Slight +
(c) Humidity	Negligible to Slight +
Plant Resource Problem / Consideration	Effect
1. Suitability	
(a) Plants are not well adapted to site	Slight + to Significant +
(b) Plants are unsuitable for intended use	Moderate + to Significant +
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Not Applicable
(b) Hayland and Pastureland	Not Applicable
(c) Rangeland	Moderate + to Significant +
(d) Seeded Rangeland	Slight + to Significant +
(e) Annual Rangeland	Not Applicable
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Not Applicable
(h) Health and Vigor	Moderate + to Significant +
(i) Plant Damage by Wind Erosion	Slight + to Moderate +
3. Management	Girgin V to Wiederate V
(a) Establishment, Growth, and Harvest	Significant +
(b) Nutrient Management	Not Applicable
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight + to Moderate +
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	
(a) Food	Slight + to Significant +
(b) Cover or Shelter	Slight + to Significant +
(c) Quantity and Quality of Drinking Water	Slight + to Significant +
Wildlife	
(d) Food	Slight + to Significant +
(e) Cover or Shelter	Slight + to Significant +
(f) Quantity and Quality of Drinking Water	Slight + to Significant +
2. Management	
(a) Population / Resource Balance	Moderate + to Significant +
//E	Negligible

# Conservation Practice Physical Effects - Grazing Land Mech. Treat. (Cont. Furrow) (548)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Slight + to Significant +
(b) Wind	Slight + to Moderate +
(c) Concentrated Flow: Ephemeral Gully	Slight + to Moderate +
(d) Concentrated Flow: Classic Gully	Slight + to Moderate +
(e) Streambank	Slight + to Moderate +
(f) Irrigation Induced	Not Applicable
(g) Soil Mass Movement	Slight +
(h) Roadbanks and Construction Sites	Negligible
(i) Safety	Negligible
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Moderate + to Significant +
(b) Soil Compaction	Negligible to Slight +
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Slight + to Moderate +
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Not Applicable
3. Deposition	
(a) Damage: Onsite	Slight + to Moderate +
(b) Damage: Offsite	Slight + to Moderate +
(c) Safety: Onsite	Slight + to Moderate +
(d) Safety: Offsite	Slight + to Moderate +
Water Resource Problem / Consideration  1. Quantity	Effect
(a) Excess Amounts: Seeps	Slight + to Moderate +
(b) Excess Amounts: Runoff / Flooding	Slight + to Moderate +
(c) Excess Amounts: Subsurface Water	Slight + to Moderate +
(d) Inadequate Outlets	Negligible
(e) Water Management for Irrigated Land	Slight +
(f) Water Management for Non-Irrigated Land	Slight + to Moderate +
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Slight + to Significant +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Slight + to Moderate +
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Slight + to Moderate +
2. Quality	
Groundwater Contaminants	
(a) Pesticides	Negligible
(b) Nutrients and Organics	Negligible
(c) Salinity	Negligible
(d) Heavy Metals	Negligible
(e) Pathogens	Negligible
Surface Water Contaminants (Streams and Lakes)	3 3
(g) Pesticides	Negligible
,	Negligible
(h) Nutrients and Organics	Slight + to Moderate +
(i) Suspended Sediment and Turbidity	Negligible
(j) Low Dissolved Oxygen	Negligible
(k) Salinity	Negligible
(I) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens (o) Aquatic Habitat Suitability	Slight + to Moderate +

Air Resource Problem / Consideration	Effect
Quality	Slight +
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Slight +
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Slight + to Significant +
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Slight + to Significant +
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Slight +
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Slight +
(g) Airborne Sediment Particulates Causing Conveyance Problems	Slight +
(h) Airborne Chemical Drift: Onsite	Not Applicable
(i) Airborne Chemical Drift: Offsite	Not Applicable
(i) Airborne Odors	Not Applicable
2. Condition	
(a) Air Temperature	Negligible
(b) Air Movement	Negligible to Slight +
(c) Humidity	Negligible to Slight +
	Effect
Plant Resource Problem / Consideration	Litect
1. Suitability	Slight + to Significant +
(a) Plants are not well adapted to site	Moderate + to Significant +
(b) Plants are unsuitable for intended use	Moderate + to Significant +
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Not Applicable
(b) Hayland and Pastureland	Not Applicable
(c) Rangeland	Moderate + to Significant +
(d) Seeded Rangeland	Slight + to Significant +
(e) Annual Rangeland	Not Applicable
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Not Applicable
(h) Health and Vigor	Moderate + to Significant +
(i) Plant Damage by Wind Erosion	Slight + to Moderate +
3. Management	Significant +
(a) Establishment, Growth, and Harvest	Not Applicable
(b) Nutrient Management	Slight + to Moderate +
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	Slight + to Significant +
(a) Food	Slight + to Significant +
(b) Cover or Shelter	Slight + to Significant +
(c) Quantity and Quality of Drinking Water	Slight + to Significant +
Wildlife	01. 54 . 4. 0
(d) Food	Slight + to Significant +
(e) Cover or Shelter	Slight + to Significant +
	Slight + to Significant +
(f) Quantity and Quality of Drinking Water	
(f) Quantity and Quality of Drinking Water 2. Management	
(f) Quantity and Quality of Drinking Water  2. Management (a) Population / Resource Balance	Moderate + to Significant +

# Conservation Practice Physical Effects - Heavy Use Area Protection (561)

Soil Resource Problem / Consideration	Effect
. Erosion	Moderate + to Significant +
(a) Sheet and Rill	Moderate + to Significant +
(b) Wind	Slight + to Significant +
(c) Concentrated Flow: Ephemeral Guily	
(d) Concentrated Flow: Classic Gully	Slight + to Significant +
(e) Streambank	Slight + to Moderate +
(f) Irrigation Induced	Negligible Negligible
(g) Soil Mass Movement	Negligible
(h) Roadbanks and Construction Sites	Slight + to Moderate +
(i) Safety	Not Applicable
Condition	Olivera de Mandagada d
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Slight + to Moderate +
(b) Soil Compaction	Slight + to Moderate +
Soil Contaminants	N 9-1-
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Slight + to Moderate +
(f) Excess Pesticides	Not Applicable
. Deposition	
(a) Damage: Onsite	Slight + to Significant +
(b) Damage: Offsite	Slight + to Moderate +
(c) Safety: Onsite	Slight + to Significant +
(d) Safety: Offsite	Slight + to Moderate +
(a) Excess Amounts: Seeps	Negligible Negligible to Moderate +
(b) Excess Amounts: Runoff / Flooding	
(c) Excess Amounts: Subsurface Water	Negligible to Moderate + Negligible
(d) Inadequate Outlets	
(e) Water Management for Irrigated Land	Negligible
(6) Monagement for Non-Irrigated Land	Negligible to Moderate +
(a) Descripted Connector From Sediment Deposition in Small Water Conveyance: Offsite	Slight + to Moderate +
(b) Beatrieted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Slight + to Moderate + Slight + to Moderate +
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Slight + to Moderate
2. Quality	
Groundwater Contaminants	Negligible
(a) Pesticides	Negligible
(b) Nutrients and Organics	V -
(c) Salinity	Negligible Not Applicable
(d) Heavy Metals	Negligible
(e) Pathogens	Mediidipie
Surface Water Contaminants (Streams and Lakes)	No ellethia to Modorato E
(g) Pesticides	Negligible to Moderate + Slight + to Moderate +
(h) Nutrients and Organics	
(i) Suspended Sediment and Turbidity	Moderate + to Significant +
(j) Low Dissolved Oxygen	Negligible to Slight +
(k) Salinity	Negligible to Slight +
(I) Heavy Metals	Negligible
(m) Temperature	Negligible to Significant +
• • •	Negligible to Slight +
(n) Pathogens	Slight + to Moderate +

#### Conservation Practice Physical Effects - Heavy Use Area Protection (561), page 2

	A SOURCE, A STATE OF THE PROPERTY OF THE PROPE
1. Quality	<b>a.</b>
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Slight +
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Slight +
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Slight +
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Slight +
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Slight +
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Slight +
(g) Airborne Sediment Particulates Causing Conveyance Problems	Slight + to Moderate +
(h) Airborne Chemical Drift: Onsite	Negligible
(i) Airborne Chemical Drift: Offsite	Negligible
(j) Airborne Odors	Negligible
2. Condition	
(a) Air Temperature	Negligible to Significant +
(b) Air Movement	Negligible to Significant +
(c) Humidity	Negligible to Moderate +
Plant Resource Problem / Consideration	Effect
1. Suitability	
(a) Plants are not well adapted to site	Slight + to Significant +
(b) Plants are unsuitable for intended use	Slight + to Significant +
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Negligible to Significant +
(b) Hayland and Pastureland	Negligible to Significant +
(c) Rangeland	Negligible to Significant +
(d) Seeded Rangeland	Negligible to Significant +
(e) Annual Rangeland	Not Applicable
(t) Forestland	Negligible to Significant +
(g) Other Land (Wildlife, Recreation, etc.)	Negligible to Significant +
(h) Health and Vigor	Negligible to Significant +
(i) Plant Damage by Wind Erosion	Negligible to Significant +
3. Management	
(a) Establishment, Growth, and Harvest	Negligible to Significant +
(b) Nutrient Management	Moderate + to Significant +
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Negligible to Slight +
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	
(a) Food	Slight +
(b) Cover or Shelter	Slight +
(c) Quantity and Quality of Drinking Water	Slight +
Wildlife	
(d) Food	Slight +
(e) Cover or Shelter	Slight +
(f) Quantity and Quality of Drinking Water	Slight +
2. Management	1
(a) Population / Resource Balance	Negligible
(b) Animal Health	Negligible to Moderate +

# Conservation Practice Physical Effects - Hedgerow Planting (422)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Slight +
(b) Wind	Slight + to Significant +
(c) Concentrated Flow: Ephemeral Gully	Slight +
(d) Concentrated Flow: Classic Gully	Slight +
(e) Streambank	Not Applicable
(f) Irrigation Induced	Not Applicable
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Not Applicable
(i) Safety	Slight + to Significant +
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Not Applicable
(b) Soil Compaction	Not Applicable
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Not Applicable
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Negligible
(i) Excess resticites 3. Deposition	3 3
(a) Damage: Onsite	Not Applicable
(b) Damage: Offsite	Not Applicable
(c) Safety: Onsite	Negligible to Slight +
(d) Safety: Offsite	Negligible to Slight +
Water Resource Problem / Consideration  1. Quantity	Effect
(a) Excess Amounts: Seeps	Negligible to Slight +
(b) Excess Amounts: Runoff / Flooding	Not Applicable
(c) Excess Amounts: Subsurface Water	Not Applicable
(d) Inadequate Outlets	Not Applicable
(e) Water Management for Irrigated Land	Not Applicable
(f) Water Management for Non- Irrigated Land	Not Applicable
(f) Water Management for Non- Irrigated Land (a) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	• •
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Not Applicable Not Applicable Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Not Applicable Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Not Applicable Not Applicable Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Not Applicable Not Applicable Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality	Not Applicable Not Applicable Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants	Not Applicable Not Applicable Not Applicable Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals	Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens	Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes)	Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides	Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics	Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity	Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen	Not Applicable
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Not Applicable Negligible to Slight +
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals	Not Applicable Not Ap
(f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens  Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Not Applicable Negligible to Slight +

Air Resource Problem / Consideration	Effect
. Quality	Oliver and Cinnificant
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Slight + to Significant +
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Slight + to Significant +
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Slight + to Significant +
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Slight + to Significant +
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Slight + to Significant +
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Slight + to Significant +
(g) Airborne Sediment Particulates Causing Conveyance Problems	Slight + to Significant +
(h) Airborne Chemical Drift: Onsite	Negligible to Slight +
(i) Airborne Chemical Drift: Offsite	Negligible to Slight +
(j) Airborne Odors	Negligible to Slight +
2. Condition	
(a) Air Temperature	Negligible to Slight +
(b) Air Movement	Negligible to Significant +
(c) Humidity	Negligible to Slight +
Plant Resource Problem / Consideration	Effect
1. Suitability	
(a) Plants are not well adapted to site	Slight +
(b) Plants are unsuitable for intended use	Slight +
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Negligible to Slight +
(b) Hayland and Pastureland	Negligible to Slight +
(c) Rangeland	Negligible to Slight +
(d) Seeded Rangeland	Negligible to Slight +
(e) Annual Rangeland	Not Applicable
(f) Forestland	Negligible to Slight +
(g) Other Land (Wildlife, Recreation, etc.)	Negligible to Slight +
	Moderate +
(h) Health and Vigor	Slight + to Significant +
(i) Plant Damage by Wind Erosion	55
3. Management	Slight +
(a) Establishment, Growth, and Harvest	Slight +
(b) Nutrient Management	Negligible
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	Moderate +
(a) Food	Significant +
(b) Cover or Shelter	Negligible to Slight +
(c) Quantity and Quality of Drinking Water	1109119101010 0911
Wildlife	Moderate +
(d) Food	Significant +
(e) Cover or Shelter	Negligible to Slight +
(f) Quantity and Quality of Drinking Water	Negligible to Siight +
2. Management	No distribute Cinnificant
(a) Population / Resource Balance	Negligible to Significant +
(b) Animal Health	Negligible to Moderate +

# Conservation Practice Physical Effects - Irr. Canal or Lateral (320)

Soil Resource Problem / Consideration	Effect
1. Erosion	Negligible
(a) Sheet and Rill	• •
(b) Wind	Not Applicable
(c) Concentrated Flow: Ephemeral Gully	Negligible
(d) Concentrated Flow: Classic Gully	Negligible to Slight -
(e) Streambank	Slight - to Significant -
(f) Irrigation Induced	Negligible
(g) Soil Mass Movement	Negligible
(h) Roadbanks and Construction Sites	Not Applicable
(i) Safety	Not Applicable
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Negligible
(b) Soil Compaction	Not Applicable
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Slight - to Significant -
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Not Applicable
3. Deposition	
(a) Damage: Onsite	Negligible
(b) Damage: Offsite	Negligible
(c) Safety: Onsite	Negligible
(d) Safety: Offsite	Negligible
Water Resource Problem / Consideration  1. Quantity	Effect
(a) Excess Amounts: Seeps	Moderate - to Significant -
(b) Excess Amounts: Runoff / Flooding	Negligible
(c) Excess Amounts: Subsurface Water	Moderate - to Significant -
(d) Inadequate Outlets	Not Applicable
(e) Water Management for Irrigated Land	Slight - to Moderate -
(f) Water Management for Non- Irrigated Land	Not Applicable
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Moderate - to Significant -
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Slight - to Moderate -
(i) Restricted Capacity From Sediment Deposition: Water Bodies, Streams, Lakes	Slight - to Moderate -
2. Quality	
Groundwater Contaminants	Negligible
(a) Pesticides	Negligible
(b) Nutrients and Organics	Negligible to Significant -
(c) Salinity	Negligible
(d) Heavy Metals	Negligible
(e) Pathogens	
Surface Water Contaminants (Streams and Lakes)	Slight -
(g) Pesticides	Negligible
(h) Nutrients and Organics	Negligible
(i) Suspended Sediment and Turbidity	Negligible
(j) Low Dissolved Oxygen	Negligible
(k) Salinity	Negligible
(I) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Negligible to Significant -

Air Resource Problem / Consideration	Effect
Cooling	Negligible
(a) Sediment and Smoke Particulates Causing Safety Problems: Unsite	Negligible
# Conditional and Smake Particulates Causing Safety Problems: Utisite	Negligible
( ) O. dieses Destinutator Causing Machinery Vehicle, of Structure Problems, Unsite	Negligible
(d) Codiment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Negligible
(a) Airborns Sediment and Smoke Particulates Causing Health Problems: Unsite	Negligible
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Not Applicable
(g) Airborne Sediment Particulates Causing Conveyance Problems	Not Applicable
(h) Airborne Chemical Drift: Onsite	Not Applicable
(i) Airborne Chemical Drift: Offsite	Not Applicable
(i) Airborne Odors	110t Applicable
2. Condition	Not Applicable
(a) Air Temperature	
(b) Air Movement	Not Applicable
(c) Humidity	Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability	AL LA - Liceble
(a) Plants are not well adapted to site	Not Applicable
(b) Plants are unsuitable for intended use	Not Applicable
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	a
(a) Cropland	Slight + to Significant +
(b) Hayland and Pastureland	Slight + to Significant +
(c) Rangeland	Not Applicable
	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Not Applicable
<ul><li>(f) Forestland</li><li>(g) Other Land (Wildlife, Recreation, etc.)</li></ul>	Not Applicable
	Slight + to Significant +
(h) Health and Vigor	Not Applicable
(i) Plant Damage by Wind Erosion	
3. Management	Negligible
(a) Establishment, Growth, and Harvest	Negligible
(b) Nutrient Management	Slight - to Significant -
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Effect
Animal Resource Problem / Consideration	
1. Habitat	
Domestic Animals	Slight + to Moderate +
(a) Food	Slight + to Significant +
(b) Cover or Shelter	Negligible to Moderate +
(c) Quantity and Quality of Drinking Water	
Wildlife	Slight + to Moderate +
(d) Food	Slight + to Significant +
(e) Cover or Shelter	Negligible to Moderate +
(f) Quantity and Quality of Drinking Water	
2. Management	Slight + to Moderate +
(a) Population / Resource Balance	Negligible
(b) Animal Health	

#### Conservation Practice Physical Effects - Irrig. Field Ditch (388)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Negligible
(b) Wind	Not Applicable
(c) Concentrated Flow: Ephemeral Gully	Negligible
(d) Concentrated Flow: Classic Gully	Negligible to Slight -
(e) Streambank	Slight - to Moderate -
(f) Irrigation Induced	Negligible to Slight -
(g) Soil Mass Movement	Negligible
(h) Roadbanks and Construction Sites	Not Applicable
(i) Safety	Not Applicable
2. Condition	· · · · · · · · · · · · · · · · · · ·
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Negligible
(b) Soil Compaction	Not Applicable
Soil Contaminants	140174511000510
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Slight - to Significant -
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Not Applicable
3. Deposition	Not Applicable
(a) Damage: Onsite	Negligible
(b) Damage: Offsite	Negligible
(c) Safety: Onsite	Negligible
(d) Safety: Offsite	Negligible
Water Resource Problem / Consideration	Effect
(a) Excess Amounts: Seeps	Moderate - to Significant -
(b) Excess Amounts: Runoff / Flooding	Negligible
(c) Excess Amounts: Subsurface Water	Moderate - to Significant -
(d) Inadequate Outlets	Not Applicable
(e) Water Management for Irrigated Land	Slight + to Moderate +
(f) Water Management for Non- Irrigated Land	Not Applicable
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Moderate - to Significant -
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Slight - to Moderate -
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Slight - to Moderate -
2. Quality	Slight - to Moderate -
Groundwater Contaminants	
(a) Pesticides	Negligible
(b) Nutrients and Organics	Negligible
(c) Salinity	Negligible to Significant -
(d) Heavy Metals	
(e) Pathogens	Negligible
	Negligible
Surface Water Contaminants (Streams and Lakes) (g) Pesticides	CV - I-
<del>(=</del> )	Slight -
(h) Nutrients and Organics	Negligible
(i) Suspended Sediment and Turbidity	Negligible
(j) Low Dissolved Oxygen	Negligible
(k) Salinity	Negligible
(I) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Negligible
(o) Aquatic Habitat Suitability	Negligible to Significant -

. Quality (a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	
	Negligible
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Negligible
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Negligible
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Negligible
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Negligible
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Negligible
(g) Airborne Sediment Particulates Causing Conveyance Problems	Not Applicable
(h) Airborne Chemical Drift: Onsite	Not Applicable
(i) Airborne Chemical Drift: Offsite	Not Applicable
(j) Airborne Odors	Not Applicable
2. Condition	••
(a) Air Temperature	Not Applicable
(b) Air Movement	Not Applicable
1.7	Negligible
(c) Humidity	
Plant Resource Problem / Consideration	Effect
I. Suitability	
(a) Plants are not well adapted to site	Not Applicable
(b) Plants are unsuitable for intended use	Not Applicable
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Slight + to Significant +
(b) Hayland and Pastureland	Slight + to Significant +
(c) Rangeland	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Not Applicable
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Not Applicable
(h) Health and Vigor	Slight + to Significant +
(i) Plant Damage by Wind Erosion	Not Applicable
17	тог дривавле
3. Management	Negligible
(a) Establishment, Growth, and Harvest	
(b) Nutrient Management	Negligible
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight - to Significant -
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	011 14 1 1 1 1 1 1 1
(a) Food	Slight + to Moderate +
(b) Cover or Shelter	Slight + to Significant +
(c) Quantity and Quality of Drinking Water	Negligible to Moderate +
Wildlife	
(d) Food	Slight + to Moderate +
(e) Cover or Shelter	Slight + to Significant +
(f) Quantity and Quality of Drinking Water	Negligible to Moderate +
2. Management	<u></u>
	Slight + to Moderate +
(a) Population / Resource Balance	

# Conservation Practice Physical Effects - Irrigation Land Leveling (464)

Soil Resource Problem / Consideration	Effect
. Erosion	Clight + to Clight
(a) Sheet and Pilli	Slight + to Slight -
(b) Wind	Negligible
(c) Concentrated Flow: Ephemeral Gully	Slight + to Slight -
(d) Concentrated Flow: Classic Gully	Negligible
(e) Streambank	Negligible
(f) Irrigation Induced	Slight + to Significant +
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Negligible
(i) Safety	Not Applicable
. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Significant + to Significant -
(b) Soil Compaction	Significant + to Significant -
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Significant + to Significant -
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Slight + to Slight -
3. Deposition	
(a) Damage: Onsite	Slight + to Slight -
(b) Damage: Offsite	Slight + to Slight -
(c) Safety: Onsite	Slight + to Slight -
(d) Safety: Offsite	Slight + to Slight -
(a) Excess Amounts: Seeps	Slight + to Moderate + Slight + to Moderate +
(b) Excess Amounts: Runoff / Flooding	
(c) Excess Amounts: Subsurface Water	Slight + to Moderate +
(d) Inadequate Outlets	Negligible
(e) Water Management for Irrigated Land	Slight + to Significant +
(4) Water Management for Non-Irrigated Land	Not Applicable
(a) Postricted Conscity From Sediment Deposition in Small Water Conveyance: Unsite	Moderate + to Moderate -
(b) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Unsite	Moderate + to Moderate -
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Moderate + to Moderate -
2. Quality	
Groundwater Contaminants	Slight + to Moderate +
(a) Pesticides	
(a) Pesticides (b) Nutrients and Organics	Slight + to Moderate +
(b) Nutrients and Organics	Slight + to Moderate + Slight + to Moderate +
(b) Nutrients and Organics (c) Salinity	Slight + to Moderate + Slight + to Moderate + Slight + to Moderate +
(b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens	Slight + to Moderate + Slight + to Moderate +
(b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens	Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate +
(b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes)	Slight + to Moderate +
(b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides	Slight + to Moderate +
(b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics	Slight + to Moderate + Slight + to Significant +
(b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity	Slight + to Moderate + Slight + to Significant + Negligible
(b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen	Slight + to Moderate + Slight + to Significant + Negligible Moderate + to Moderate -
(b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Slight + to Moderate + Slight + to Significant + Negligible Moderate + to Moderate - Negligible
(b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (i) Heavy Metals	Slight + to Moderate + Slight + to Significant + Negligible Moderate + to Moderate - Negligible Negligible
(b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Slight + to Moderate + Slight + to Significant + Negligible Moderate + to Moderate - Negligible

#### Conservation Practice Physical Effects - Irrigation Land Leveling (464), page 2

Lif Resource Problem / Consideration	Effect
Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Negligible
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Negligible
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Negligible
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Negligible
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Negligible Negligible Negligible
(f) Airborne Sediment and Smoke Particulates Causing Pleatift Problems: Offsite	
(g) Airborne Sediment Particulates Causing Conveyance Problems	
(h) Airborne Chemical Drift: Onsite	Not Applicable
(i) Airborne Chemical Drift: Offsite	Not Applicable
(i) Airborne Odors	Not Applicable
c. Condition	• •
	Not Applicable
(a) Air Temperature	Not Applicable
(b) Air Movement	Not Applicable
(c) Humidity	Effect
Plant Resource Problem / Consideration	CHOCK
1. Suitability	Negligible to Moderate +
(a) Plants are not well adapted to site	Negligible
(b) Plants are unsuitable for intended use	(109),9.2.0
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	Slight + to Significant +
(a) Cropland	Slight + to Significant +
(b) Hayland and Pastureland	Not Applicable
(c) Rangeland	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Not Applicable
(h) Health and Vigor	Slight + to Significant +
(i) Plant Damage by Wind Erosion	Negligible
3. Management	
(a) Establishment, Growth, and Harvest	Slight + to Significant +
(b) Nutrient Management	Slight + to Significant +
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight + to Significant +
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	Moderate + to Moderate -
(a) Food	
(b) Cover or Shelter	Moderate + to Moderate -
(c) Quantity and Quality of Drinking Water	Not Applicable
Wildlife	
(d) Food	Moderate + to Moderate -
(e) Cover or Shelter	Moderate + to Moderate -
(f) Quantity and Quality of Drinking Water	Not Applicable
2. Management	
(a) Population / Resource Balance	Slight + to Moderate +
(b) Animal Health	Negligible

### Conservation Practice Physical Effects - Irrigation Pit (552A)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Negligible
(b) Wind	Not Applicable
(c) Concentrated Flow: Ephemeral Gully	Negligible
(d) Concentrated Flow: Classic Gully	Negligible
(e) Streambank	Not Applicable
(f) Irrigation Induced	Negligible
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Not Applicable
(i) Safety	Not Applicable
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Not Applicable
(b) Soil Compaction	Negligible
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Not Applicable
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Not Applicable
3. Deposition	Not Applicable
(a) Damage: Onsite	Negligible
(b) Damage: Offsite	Negligible
(c) Safety: Onsite	Negligible
(d) Safety: Offsite	Negligible
. Quantity	
(a) Excess Amounts: Seeps	Negligible to Moderate -
(b) Excess Amounts: Runoff / Flooding	Negligible
(c) Excess Amounts: Subsurface Water	Negligible to Slight -
(d) Inadequate Outlets	Not Applicable
(e) Water Management for Irrigated Land	Slight + to Significant +
(f) Water Management for Non- Irrigated Land	Not Applicable
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Negligible
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Negligible
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Negligible
2. Quality	
Groundwater Contaminants	
(a) Pesticides	Not Applicable
(b) Nutrients and Organics	Not Applicable
(c) Salinity	Not Applicable
(d) Heavy Metals	Not Applicable
(e) Pathogens	Not Applicable
Surface Water Contaminants (Streams and Lakes)	
(g) Pesticides	Not Applicable
(h) Nutrients and Organics	Negligible
(i) Suspended Sediment and Turbidity	Negligible
(j) Low Dissolved Oxygen	Negligible
(k) Salinity	Negligible
(I) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Negligible

#### Conservation Practice Physical Effects - Irrigation Pit (552A), page 2

ir Resource Problem / Consideration	Effect
Quality	No. Annihabla
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Not Applicable
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Not Applicable
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Not Applicable
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Not Applicable
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Not Applicable
(t) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Not Applicable
(g) Airborne Sediment Particulates Causing Conveyance Problems	Not Applicable
(h) Airborne Chemical Drift: Onsite	Not Applicable
(i) Airborne Chemical Drift: Offsite	Not Applicable
(i) Airborne Odors	Negligible
Condition	
(a) Air Temperature	Negligible
(b) Air Movement	Not Applicable
(c) Humidity	Not Applicable
Plant Resource Problem / Consideration	Effect
Suitability	
(a) Plants are not well adapted to site	Not Applicable
(b) Plants are unsuitable for intended use	Not Applicable
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Slight + to Significant +
(b) Hayland and Pastureland	Slight + to Significant +
, , ,	Not Applicable
(c) Rangeland	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Not Applicable
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Slight + to Significant +
(h) Health and Vigor	Negligible
(i) Plant Damage by Wind Erosion	rtogrigibio
3. Management	Slight + to Significant +
(a) Establishment, Growth, and Harvest	Not Applicable
(b) Nutrient Management	Negligible
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Negligible
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	Negligible
(a) Food	Negligible to Slight +
(b) Cover or Shelter	
(c) Quantity and Quality of Drinking Water	Negligible to Slight +
Wildlife	NI - CONTRA
(d) Food	Negligible
(e) Cover or Shelter	Negligible to Slight +
(f) Quantity and Quality of Drinking Water	Slight + to Significant +
2. Management	
	Negligible
(a) Population / Resource Balance	Negligible

# Conservation Practice Physical Effects - Irrig. Regulating Reservoir (552B)

Soil Resource Problem / Consideration	Effect
1. Erosion	Neglieible
(a) Sheet and Rill	Negligible
(b) Wind	Not Applicable
(c) Concentrated Flow: Ephemeral Gully	Negligible
(d) Concentrated Flow: Classic Gully	Negligible to Slight +
(e) Streambank	Not Applicable
(f) Irrigation Induced	Negligible
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Not Applicable
(i) Safety	Not Applicable
. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Not Applicable
(b) Soil Compaction	Negligible
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Not Applicable
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Not Applicable
. Deposition	
(a) Damage: Onsite	Negligible
(b) Damage: Offsite	Negligible
(c) Safety: Onsite	Negligible
(d) Safety: Offsite	Negligible
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding	Negligible to Moderate + Negligible
	Negligible to Slight +
(c) Excess Amounts: Subsurface Water	Negligible
(d) Inadequate Outlets	Slight + to Significant +
(e) Water Management for Irrigated Land	Not Applicable
(f) Water Management for Non-Irrigated Land	Negligible
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Negligible
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Negligible
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	1409.1910
2. Quality	
Groundwater Contaminants	Not Applicable
(a) Pesticides	Not Applicable
(b) Nutrients and Organics	Not Applicable
(c) Salinity	Not Applicable
(d) Heavy Metals	Not Applicable
(e) Pathogens	140t Applicable
Surface Water Contaminants (Streams and Lakes)	Not Applicable
(g) Pesticides	Not Applicable Negligible
(h) Nutrients and Organics	• •
(i) Suspended Sediment and Turbidity	Negligible
(j) Low Dissolved Oxygen	Negligible
(k) Salinity	Not Applicable
(I) Heavy Metals	Not Applicable
(m) Temperature	Negligible Negligible
(n) Pathogens	Negligible to Slight +

Air Resource Problem / Consideration	Effect
I. Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Not Applicable
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Not Applicable `
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Not Applicable
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Not Applicable
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Not Applicable
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Not Applicable
(g) Airborne Sediment Particulates Causing Conveyance Problems	Not Applicable
(h) Airborne Chemical Drift: Onsite	Not Applicable
(i) Airborne Chemical Drift: Offsite	Negligible
(j) Airborne Odors	Negligible
2. Condition	
(a) Air Temperature	Not Applicable
(b) Air Movement	Not Applicable
(c) Humidity	Not Applicable
Plant Resource Problem / Consideration	Effect
I. Suitability	
(a) Plants are not well adapted to site	Not Applicable
(b) Plants are unsuitable for intended use	Not Applicable
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Slight + to Significant +
(b) Hayland and Pastureland	Slight + to Significant +
(c) Rangeland	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Not Applicable
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Not Applicable
(h) Health and Vigor	Slight + to Significant +
(i) Plant Damage by Wind Erosion	Not Applicable
17	11017.
3. Management	Negligible to Moderate +
(a) Establishment, Growth, and Harvest	Not Applicable
(b) Nutrient Management	Negligible
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)  Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	
(a) Food	Negligible
(b) Cover or Shelter	Negligible to Slight +
(c) Quantity and Quality of Drinking Water	Negligible to Slight +
Wildlife	
(d) Food	Negligible
	Negligible to Slight +
(e) Cover or Shelter	Slight + to Significant +
(f) Quantity and Quality of Drinking Water	Shight + to Significant +
2. Management	Negligible
(a) Population / Resource Balance (b) Animal Health	Negligible
	14501101016

# Conservation Practice Physical Effects - Irrig. Storage Reservoir (436)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Negligible
(b) Wind	Not Applicable
(c) Concentrated Flow: Ephemeral Gully	Negligible
(d) Concentrated Flow: Classic Gully	Negligible to Slight +
(e) Streambank	Negligible to Slight +
(f) Irrigation Induced	Negligible
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Not Applicable
(i) Safety	Not Applicable
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Not Applicable
(b) Soil Compaction	Negligible
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Not Applicable
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Not Applicable
,,,	• •
3. Deposition	Negligible to Slight -
(a) Damage: Onsite	Negligible to Slight
(b) Damage: Offsite	Negligible to Slight -
(c) Safety: Onsite (d) Safety: Offsite	Negligible to Slight -
Water Resource Problem / Consideration	Effect
1. Quantity	Negligible to Moderate -
(a) Excess Amounts: Seeps	
(b) Excess Amounts: Runoff / Flooding	Negligible to Slight +
(c) Excess Amounts: Subsurface Water	Negligible to Slight +
(d) Inadequate Outlets	Negligible to Slight +
(e) Water Management for Irrigated Land	Slight + to Significant +
(f) Water Management for Non- Irrigated Land	Not Applicable
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Negligible to Moderate -
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Negligible to Moderate -
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Negligible
2. Quality	
Groundwater Contaminants	
(a) Pesticides	Negligible to Slight -
(b) Nutrients and Organics	Not Applicable
(c) Salinity	Not Applicable
(d) Heavy Metals	Not Applicable
(e) Pathogens	Not Applicable
Surface Water Contaminants (Streams and Lakes)	
(g) Pesticides	Negligible to Slight -
(h) Nutrients and Organics	Negligible to Slight -
(i) Suspended Sediment and Turbidity	Negligible
(i) Low Dissolved Oxygen	Negligible to Slight -
• • • • • • • • • • • • • • • • • • • •	Not Applicable
(k) Salinity	Not Applicable
(I) Heavy Metals	Negligible
(m) Temperature	14091191010
1	Nealigible to Slight -
(n) Pathogens (o) Aquatic Habitat Suitability	Negligible to Slight - Negligible to Moderate +

Air Resource Problem / Consideration	Effect
1. Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Negligible
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Negligible
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Not Applicable
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Not Applicable
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Not Applicable
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Not Applicable Not Applicable Not Applicable Negligible
(g) Airborne Sediment Particulates Causing Conveyance Problems	
(h) Airborne Chemical Drift: Onsite	
(i) Airborne Chemical Drift: Offsite	
(i) Airborne Odors	Negligible
2. Condition	regugible
(a) Air Temperature	Not Applicable
(b) Air Movement	* *
(c) Humidity	Not Applicable
	Not Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability	
(a) Plants are not well adapted to site	Not Applicable
(b) Plants are unsuitable for intended use	Not Applicable
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Slight + to Significant +
(b) Hayland and Pastureland	Slight + to Significant +
(c) Rangeland	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Not Applicable
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Not Applicable
(h) Health and Vigor	Slight + to Significant +
(i) Plant Damage by Wind Erosion	Not Applicable
3. Management	11017 ppiloubio
(a) Establishment, Growth, and Harvest	Negligible to Moderate +
(b) Nutrient Management	Not Applicable
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Negligible
Animal Resource Problem / Consideration	
1. Habitat	Effect
Domestic Animals	
(a) Food	Negliaible to Olieta
(b) Cover or Shelter	Negligible to Slight +
· ·	Slight + to Moderate +
(c) Quantity and Quality of Drinking Water	Slight + to Moderate +
Wildlife (4) Food	
(d) Food	Negligible to Slight +
(e) Cover or Shelter	Slight + to Moderate +
(f) Quantity and Quality of Drinking Water	Slight + to Significant +
2. Management	
(a) Population / Resource Balance	Negligible to Slight +
(b) Animal Health	Negligible

# Conservation Practice Physical Effects - Irr. Sys. (Sprinkler) (442)

Oil Resource Problem / Consideration	Effect
Erosion	Negligible
(a) Sheet and Rill	Slight +
(b) Wind	Slight + to Moderate +
(c) Concentrated Flow: Ephemeral Gully	Slight + to Noderate +
(d) Concentrated Flow: Classic Gully	
(e) Streambank	Slight +
(f) Irrigation Induced	Significant +
(g) Soil Mass Movement	Slight + to Moderate +
(h) Roadbanks and Construction Sites	Slight + to Moderate +
(i) Safety	Not Applicable
Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Slight + to Moderate +
(b) Soil Compaction	Slight +
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Negligible
Deposition	
(a) Damage: Onsite	Moderate + to Significant +
(b) Damage: Offsite	Moderate + to Significant +
(c) Safety: Onsite	Slight +
(d) Safety: Offsite	Slight + to Significant +
Quantity (a) Excess Amounts: Seeps	Slight + to Moderate + Slight + to Moderate +
(b) Excess Amounts: Runoff / Flooding	
(c) Excess Amounts: Subsurface Water	Slight + to Moderate +
(d) Inadequate Outlets	Significant +
(e) Water Management for Irrigated Land	Significant +
(6) Wassa Management for Non-Irrigated Land	Not Applicable
(a) Descripted Conneity From Sediment Deposition in Small Water Conveyance. Onsite	Moderate + to Significant +
(b) Postricted Canacity From Sediment Deposition in Small Water Conveyance: Offsite	Slight + to Moderate +
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Slight + to Moderate +
2. Quality	
Groundwater Contaminants	
(a) Pesticides	Moderate + to Moderate -
	Significant + to Moderate -
(h) Nutrients and Ordanics	
(b) Nutrients and Organics	Significant + to Moderate -
(c) Salinity	Negligible
(c) Salinity (d) Heavy Metals	
(c) Salinity (d) Heavy Metals (e) Pathogens	Negligible Negligible
(c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes)	Negligible Negligible Slight + to Significant +
(c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides	Negligible Negligible Slight + to Significant + Slight + to Significant +
(c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics	Negligible Negligible Slight + to Significant + Slight + to Significant + Moderate + to Significant +
(c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity	Negligible Negligible  Slight + to Significant + Slight + to Significant + Moderate + to Significant + Moderate +
(c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen	Negligible Negligible Slight + to Significant + Slight + to Significant + Moderate + to Significant + Moderate + Moderate + to Significant +
(c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Negligible Negligible Slight + to Significant + Slight + to Significant + Moderate + to Significant + Moderate + Moderate + to Significant + Slight + to Significant +
(c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (i) Heavy Metals	Negligible Negligible Slight + to Significant + Slight + to Significant + Moderate + to Significant + Moderate + to Significant + Slight + to Significant + Slight + to Significant +
(c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Negligible Negligible Slight + to Significant + Slight + to Significant + Moderate + to Significant + Moderate + Moderate + to Significant + Slight + to Significant +

### Conservation Practice Physical Effects - Irr. Sys. (Sprinkler) (442), page 2

Air Resource Problem / Consideration	Effect
. Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite (b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Negligible
	Slight + Negligible to Slight + Negligible to Slight + Negligible to Slight + Negligible Negligible to Slight + Negligible to Slight +
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	
(g) Airborne Sediment Particulates Causing Conveyance Problems	
(h) Airborne Chemical Drift: Onsite	
(i) Airborne Chemical Drift: Offsite	Negligible
(j) Airborne Odors	Negligible
2. Condition	
(a) Air Temperature	Negligible
(b) Air Movement	Negligible
(c) Humidity	Slight +
Plant Resource Problem / Consideration	Effect
1. Suitability	
(a) Plants are not well adapted to site	Not Applicable
(b) Plants are unsuitable for intended use	Not Applicable
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Slight + to Moderate +
(b) Hayland and Pastureland	Slight + to Moderate +
(c) Rangeland	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Not Applicable
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Not Applicable
(h) Health and Vigor	Slight + to Moderate +
(i) Plant Damage by Wind Erosion	Slight +
3. Management	
(a) Establishment, Growth, and Harvest	Slight + to Moderate +
(b) Nutrient Management	Slight +
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Not Applicable
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	
(a) Food	Slight + to Moderate +
(b) Cover or Shelter	Slight + to Moderate +
(c) Quantity and Quality of Drinking Water	Slight + to Moderate +
Wildlife	
(d) Food	Moderate - to Significant -
(e) Cover or Shelter	Moderate - to Significant -
(f) Quantity and Quality of Drinking Water	Moderate - to Significant -
2. Management	
	Slight + to Significant -
(a) Population / Resource Balance	Signt + to Significant -

# Conservation Practice Physical Effects - Irr. Sys. (Surf. & Subsurf.) (443)

Soil Resource Problem / Consideration	Effect
i. Erosion	No-Heible de Clieba
· (a) Sheet and Rill	Negligible to Slight +
(b) Wind	Negligible
(c) Concentrated Flow: Ephemeral Gully	Slight +
(d) Concentrated Flow: Classic Gully	Negligible to Moderate +
(e) Streambank	Slight + to Moderate +
(f) Irrigation Induced .	Slight + to Moderate +
(g) Soil Mass Movement	Slight +
(h) Roadbanks and Construction Sites	Slight + to Moderate +
(i) Safety	Not Applicable
Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Slight +
(b) Soil Compaction	Moderate + to Significant +
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Negligible
3. Deposition	
(a) Damage: Onsite	Slight + to Significant +
(b) Damage: Offsite	Slight + to Moderate +
(c) Safety: Onsite	Slight + to Significant +
(d) Safety: Offsite	Slight + to Moderate +
Water Resource Problem / Consideration	Effect
1. Quantity	Slight +
(a) Excess Amounts: Seeps	Negligible
(b) Excess Amounts: Runoff / Flooding	Slight +
(c) Excess Amounts: Subsurface Water	Significant +
(d) Inadequate Outlets	Slight + to Moderate +
(e) Water Management for Irrigated Land	Not Applicable
(f) Water Management for Non- Irrigated Land	Slight + to Significant +
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Slight + to Moderate +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Slight + to Moderate +
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Slight + to Moderate +
2. Quality	
Groundwater Contaminants	Clicht
(a) Pesticides	Slight +
(b) Nutrients and Organics	Slight +
(c) Salinity	Slight +
(d) Heavy Metals	Negligible
(e) Pathogens	Negligible
Surface Water Contaminants (Streams and Lakes)	
	Slight +
(g) resticites	Slight +
(g) Pesticides (h) Nutrients and Organics	Clicks the Cignificant +
(h) Nutrients and Organics	Slight + to Significant +
(h) Nutrients and Organics (i) Suspended Sediment and Turbidity	Slight +
(h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen	
(h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Slight +
<ul> <li>(h) Nutrients and Organics</li> <li>(i) Suspended Sediment and Turbidity</li> <li>(j) Low Dissolved Oxygen</li> <li>(k) Salinity</li> <li>(l) Heavy Metals</li> </ul>	Slight + Slight +
<ul><li>(h) Nutrients and Organics</li><li>(i) Suspended Sediment and Turbidity</li><li>(j) Low Dissolved Oxygen</li><li>(k) Salinity</li></ul>	Slight + Slight + Slight +

### Conservation Practice Physical Effects - Irr. Sys. (Surf. & Subsurf.) (443), page 2

Air Resource Problem / Consideration	Effect
. Quality	Land the second
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Negligible
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Negligible
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Negligible
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Negligible
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Negligible
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Negligible Negligible Not Applicable
(g) Airborne Sediment Particulates Causing Conveyance Problems	
(h) Airborne Chemical Drift: Onsite	
(i) Airborne Chemical Drift: Offsite	Not Applicable
(j) Airborne Odors	Not Applicable
2. Condition	
(a) Air Temperature	Not Applicable
(b) Air Movement	Not Applicable
(c) Humidity	Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability	
(a) Plants are not well adapted to site	Not Applicable
(b) Plants are unsuitable for intended use	Not Applicable
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Negligible
(b) Hayland and Pastureland	Negligible
(c) Rangeland	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Not Applicable
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Not Applicable
(h) Health and Vigor	Negligible
(i) Plant Damage by Wind Erosion	Negligible
3. Management	
(a) Establishment, Growth, and Harvest	Slight + to Moderate +
(b) Nutrient Management	Negligible
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Not Applicable
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	
(a) Food	Slight + to Slight -
(b) Cover or Shelter	Slight -
(c) Quantity and Quality of Drinking Water	Slight - to Moderate -
Wildlife	
(d) Food	Slight + to Slight -
· (e) Cover or Shelter	Slight -
(f) Quantity and Quality of Drinking Water	Slight - to Moderate -
2. Management	
(a) Population / Resource Balance	Negligible

# Conservation Practice Physical Effects - Irrigation Sys. (Tailwater Rec.) (447)

SQII Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Negligible
(b) Wind	Negligible
(c) Concentrated Flow: Ephemeral Gully	Slight +
(d) Concentrated Flow: Classic Gully	Slight +
(e) Streambank	Negligible to Moderate +
(f) Irrigation Induced	Negligible
(g) Soil Mass Movement	Negligible
(h) Roadbanks and Construction Sites	Slight +
(i) Safety	Not Applicable
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Negligible
(b) Soil Compaction	Negligible
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible to Slight -
(d) Excess Animal Wastes & Other Organics	Negligible to Slight -
(e) Excess Fertilizer	Negligible to Slight -
(f) Excess Pesticides	Negligible to Slight -
3. Deposition	
(a) Damage: Onsite	Slight + to Moderate +
(b) Damage: Offsite	Slight + to Moderate +
(c) Safety: Onsite	Slight + to Moderate +
(d) Safety: Offsite	Slight + to Moderate +
Water Resource Problem / Consideration  1. Quantity	Effect
(a) Excess Amounts: Seeps	Negligible to Slight -
(b) Excess Amounts: Runoff / Flooding	Negligible to Slight +
(c) Excess Amounts: Subsurface Water	Negligible to Slight +
(d) Inadequate Outlets	Slight + to Significant +
(e) Water Management for Irrigated Land	Slight + to Significant +
(f) Water Management for Non- Irrigated Land	Not Applicable
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Negligible to Slight +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Negligible to Slight +
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Slight + to Moderate +
2. Quality	
Groundwater Contaminants	
(a) Pesticides	Slight -
(b) Nutrients and Organics	Slight -
(c) Salinity	Slight -
(d) Heavy Metals	Slight -
(e) Pathogens	Slight -
Surface Water Contaminants (Streams and Lakes)	
(g) Pesticides	Slight + to Significant +
(h) Nutrients and Organics	Slight + to Significant +
(i) Suspended Sediment and Turbidity	Slight + to Significant +
	Slight + to Significant +
(j) Low Dissolved Oxygen	Slight + to Significant +
(j) Low Dissolved Oxygen (k) Salinity	
<b>V</b>	Slight + to Significant +
(k) Salinity	Slight + to Significant + Negligible
(k) Salinity (l) Heavy Metals	Slight + to Significant +

### Conservation Practice Physical Effects - Irrigation Sys. (Tailwater Rec.) (447), page 2

Air Resource Problem / Consideration	Effect
1. Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Not Applicable
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Not Applicable
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Not Applicable
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Not Applicable
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Not Applicable Not Applicable Not Applicable Not Applicable
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	
(g) Airborne Sediment Particulates Causing Conveyance Problems	
(h) Airborne Chemical Drift: Onsite	
(i) Airborne Chemical Drift: Offsite	Not Applicable
(j) Airborne Odors	Negligible to Slight -
2. Condition	
(a) Air Temperature	Not Applicable
(b) Air Movement	Not Applicable
(c) Humidity	Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability	
(a) Plants are not well adapted to site	Not Applicable
(b) Plants are unsuitable for intended use	Not Applicable
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Significant + to Moderate -
(b) Hayland and Pastureland	Significant + to Moderate -
(c) Rangeland	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Not Applicable
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Not Applicable
(h) Health and Vigor	Significant + to Moderate -
(i) Plant Damage by Wind Erosion	Negligible
3. Management	
(a) Establishment, Growth, and Harvest	Significant + to Moderate -
(b) Nutrient Management	Negligible to Slight +
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight - to Moderate -
Animal Resource Problem / Consideration	Effect
1. Habitat	
Domestic Animals	Slight + to Moderate +
(a) Food	1
(b) Cover or Shelter	Slight + to Moderate + Slight + to Significant +
(c) Quantity and Quality of Drinking Water	Slight + to Significant +
Wildlife	Slight   to Moderate
(d) Food	Slight + to Moderate +
(e) Cover or Shelter	Slight + to Moderate +
(f) Quantity and Quality of Drinking Water	Slight + to Significant -
2. Management	
	Slight + to Moderate +
(a) Population / Resource Balance	Moderate + to Moderate -

# Conservation Practice Physical Effects - Irr. Sys. (Trickle) (441)

Soil Resource Problem / Consideration	Effect
1. Erosion	00 11 11 11 11 11
(a) Sheet and Rill	Slight + to Moderate +
(b) Wind	Negligible
(c) Concentrated Flow: Ephemeral Gully	Slight + to Moderate +
(d) Concentrated Flow: Classic Gully	Negligible to Slight +
(e) Streambank	Negligible to Slight +
(f) Irrigation Induced	Slight + to Significant +
(g) Soil Mass Movement	Slight + to Moderate +
(h) Roadbanks and Construction Sites	Slight + to Moderate +
(i) Safety	Not Applicable
Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Slight + to Moderate +
(b) Soil Compaction	Slight + to Moderate +
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metais	Slight - to Moderate -
(d) Excess Animal Wastes & Other Organics	Slight -
(e) Excess Fertilizer	Slight -
(f) Excess Pesticides	Slight -
3. Deposition	
(a) Damage: Onsite	Slight + to Significant +
(b) Damage: Offsite	Slight + to Significant +
(c) Safety: Onsite	Slight + to Significant +
(d) Safety: Offsite	Slight + to Significant +
Water Resource Problem / Consideration  1. Quantity	No distribute de Cinnificant
(a) Excess Amounts: Seeps	Negligible to Significant +
(b) Excess Amounts: Runoff / Flooding	Negligible to Significant +
(c) Excess Amounts: Subsurface Water	Negligible to Significant +
(d) Inadequate Outlets	Slight + to Moderate +
(e) Water Management for Irrigated Land	Moderate + to Significant +
(4) Water Management for Non-Irrigated Land	Not Applicable
(a) Bostricted Canacity From Sediment Deposition in Small Water Conveyance: Unsite	Slight + to Significant +
(b) Restricted Canacity From Sediment Deposition in Small Water Conveyance: Offsite	Slight + to Significant +
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Slight + to Significant +
2. Quality	
Groundwater Contaminants	20
(a) Pesticides	Slight + to Significant +
(b) Nutrients and Organics	Slight + to Significant +
(c) Salinity	Slight + to Significant +
(d) Heavy Metals	Slight + to Significant +
(e) Pathogens	Slight + to Significant +
Surface Water Contaminants (Streams and Lakes)	
(g) Pesticides	Slight + to Significant +
(h) Nutrients and Organics	Slight + to Significant +
(i) Suspended Sediment and Turbidity	Slight + to Significant +
	Slight + to Significant +
(i) Low Dissolved Oxygen	Slight + to Significant +
(j) Low Dissolved Oxygen	
(k) Salinity	Negligible to Significant +
(k) Salinity (l) Heavy Metals	Negligible
(k) Salinity	

### Conservation Practice Physical Effects - Irr. Sys. (Trickle) (441), page 2

Vir Resource Problem / Consideration	Effect
. Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Not Applicable
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Not Applicable Not Applicable
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	Not Applicable
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	
(g) Airborne Sediment Particulates Causing Conveyance Problems	
(h) Airborne Chemical Drift: Onsite	
(i) Airborne Chemical Drift: Offsite	
(j) Airborne Odors	Not Applicable
Condition	• •
(a) Air Temperature	Not Applicable
(b) Air Movement	Not Applicable
(c) Humidity	Not Applicable
Plant Resource Problem / Consideration	Effect
Suitability	
(a) Plants are not well adapted to site	Not Applicable
(b) Plants are unsuitable for intended use	Not Applicable
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Negligible
(b) Hayland and Pastureland	Not Applicable
· · ·	Not Applicable
(c) Rangeland	Not Applicable Not Applicable Not Applicable Not Applicable
(d) Seeded Rangeland	
(e) Annual Rangeland	
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Negligible
(h) Health and Vigor	, , ,
(i) Plant Damage by Wind Erosion	Slight +
3. Management	
(a) Establishment, Growth, and Harvest	Moderate + to Significant +
(b) Nutrient Management	Moderate + to Significant +
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Negligible
Animal Resource Problem / Consideration	Effect
I. Habitat	
Domestic Animals	
(a) Food	Slight - to Significant -
(b) Cover or Shelter	Slight - to Significant -
(c) Quantity and Quality of Drinking Water	Slight - to Moderate -
Wildlife	
(d) Food	Slight - to Significant -
(e) Cover or Shelter	Slight - to Significant -
(f) Quantity and Quality of Drinking Water	Slight - to Moderate -
2. Management	
(a) Population / Resource Balance	Negligible
(m) . upu /	Negligible

## Conservation Practice Physical Effects - Irr. Water Convey. (Ditch or Canal) (428)

SOIL Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Negligible
(b) Wind	Not Applicable
(c) Concentrated Flow: Ephemeral Gully	Negligible
(d) Concentrated Flow: Classic Gully	Negligible
(e) Streambank	Negligible
(f) Irrigation Induced	Negligible to Slight +
(g) Soil Mass Movement	Negligible to Moderate +
(h) Roadbanks and Construction Sites	Negligible
(i) Safety	Negligible to Moderate -
. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Negligible
(b) Soil Compaction	Not Applicable
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible to Slight +
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Not Applicable
B. Deposition	
(a) Damage: Onsite	Negligible
(b) Damage: Offsite	Negligible
(c) Safety: Onsite	Negligible
(d) Safety: Offsite	Negligible
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding	Moderate + to Significant + Negligible
(b) Excess Amounts: Runoff / Flooding	Negligible
(c) Excess Amounts: Subsurface Water	Moderate + to Significant +
	-
(d) Inadequate Outlets	Not Applicable
(e) Water Management for Irrigated Land	Not Applicable Slight + to Moderate +
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land	Not Applicable Slight + to Moderate + Not Applicable
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (a) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant +
(e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate +
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (a) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant +
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate +
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight +
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight + Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u>	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight +  Negligible Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant +
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant + Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant +
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant + Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes)	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant + Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight + Negligible Negligible Negligible to Significant + Negligible Negligible Negligible Negligible Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant + Negligible Negligible Negligible Slight +
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant + Negligible Negligible Slight + Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens  Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant + Negligible Negligible Slight + Negligible Negligible Negligible Negligible Negligible Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens  Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (ii) Low Dissolved Oxygen (k) Salinity	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant + Negligible Negligible Slight + Negligible Negligible Negligible Negligible Negligible Negligible Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight + Negligible Negligible Negligible to Significant + Negligible Negligible Slight + Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible
(e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity For Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Not Applicable Slight + to Moderate + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant + Negligible

### Conservation Practice Physical Effects - Irr. Water Convey. (Ditch or Canal) (428), page 2

1	
. Quality	
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Negligible
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Slight + Negligible Not Applicable Negligible Slight + Not Applicable
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite	
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite	
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	
(g) Airborne Sediment Particulates Causing Conveyance Problems	
(h) Airborne Chemical Drift: Onsite	Not Applicable
(i) Airborne Chemical Drift: Offsite	Not Applicable
(j) Airborne Odors	Not Applicable
2. Condition	
(a) Air Temperature	Not Applicable
(b) Air Movement	Not Applicable
(c) Humidity	Negligible
Plant Resource Problem / Consideration	Effect
I. Suitability	
(a) Plants are not well adapted to site	Not Applicable
(b) Plants are unsuitable for intended use	Not Applicable
2. Condition	
Productivity (Kinds, Amounts, & Distribution)	
(a) Cropland	Significant + to Significant -
(b) Hayland and Pastureland	Significant + to Significant -
(c) Rangeland	Not Applicable Not Applicable Not Applicable
(d) Seeded Rangeland	
(e) Annual Rangeland	
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Slight - to Significant -
(h) Health and Vigor	Significant + to Significant -
(i) Plant Damage by Wind Erosion	Not Applicable
3. Management	
(a) Establishment, Growth, and Harvest	Negligible
(b) Nutrient Management	Negligible
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight - to Moderate -
Animal Resource Problem / Consideration	Effect
1. Habitat	Baseline in control of the season control of the co
Domestic Animals	
(a) Food	Slight - to Moderate -
(b) Cover or Shelter	Moderate - to Significant -
(c) Quantity and Quality of Drinking Water	Negligible to Slight -
Wildlife	
(d) Food	Slight - to Moderate -
(e) Cover or Shelter	Moderate - to Significant -
(f) Quantity and Quality of Drinking Water	Negligible to Slight -
2. Management	
(a) Population / Resource Balance	Slight - to Moderate -
	Negligible

## Conservation Practice Physical Effects - Irr. Water Conveyance (Pipe) (430)

Erosion	
(a) Sheet and Pill	Negligible
(b) Wind	Not Applicable
(c) Concentrated Flow: Ephemeral Gully	Negligible to Moderate +
(d) Concentrated Flow: Classic Gully	Negligible
(e) Streambank	Negligible
(f) Irrigation Induced	Negligible to Slight +
(g) Soil Mass Movement	Negligible to Moderate +
(h) Roadbanks and Construction Sites	Negligible
(i) Safety	Negligible to Moderate -
Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Negligible ·
(b) Soil Compaction	Not Applicable
Soil Contaminants	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible to Slight +
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Not Applicable
Deposition	
(a) Damage: Onsite	Negligible
(b) Damage: Offsite	Negligible
(c) Safety: Onsite	Negligible
(d) Safety: Offsite	Negligible
(a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding	Moderate + to Significant + Negligible
(b) Excess Amounts: Runoff / Flooding	• •
(c) Excess Amounts: Subsurface Water	Moderate + to Significant +
(d) Inadequate Outlets	Not Applicable
(e) Water Management for Irrigated Land	Slight + to Moderate +
(f) Water Management for Non- Irrigated Land	Not Applicable
(g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite	Moderate + to Significant +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Slight + to Moderate +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite     (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Slight + to Moderate +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Slight + to Moderate + Slight +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes  Quality	Slight + to Moderate + Slight + Negligible
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes (a) Quality  Groundwater Contaminants (a) Pesticides	Slight + to Moderate + Slight + Negligible Negligible
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite     (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes     t. Quality     Groundwater Contaminants     (a) Pesticides     (b) Nutrients and Organics	Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes (c) Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity	Slight + to Moderate + Slight + Negligible Negligible
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes  Cuality  Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals	Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes  Quality  Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens	Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant + Negligible
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes  Quality  Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens  Surface Water Contaminants (Streams and Lakes)	Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant + Negligible
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes  Quality  Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens  Surface Water Contaminants (Streams and Lakes)  (g) Pesticides	Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant + Negligible Negligible
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes (Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics	Slight + to Moderate + Slight +  Negligible Negligible to Significant + Negligible Negligible Slight +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes  Cuality  Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens  Surface Water Contaminants (Streams and Lakes)  (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity	Slight + to Moderate + Slight +  Negligible Negligible to Significant + Negligible Negligible Slight + Negligible
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes (c) Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen	Slight + to Moderate + Slight +  Negligible Negligible Negligible to Significant + Negligible Negligible Slight + Negligible Negligible
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes  Cuality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Slight + to Moderate + Slight +  Negligible Negligible to Significant + Negligible Negligible Slight + Negligible Negligible Negligible Negligible
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes  Quality  Groundwater Contaminants  (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens  Surface Water Contaminants (Streams and Lakes)  (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals	Slight + to Moderate + Slight +  Negligible Negligible to Significant + Negligible Negligible Slight + Negligible Negligible Negligible Negligible Negligible Negligible
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality Groundwater Contaminants (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens Surface Water Contaminants (Streams and Lakes) (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity	Slight + to Moderate + Slight +  Negligible Negligible to Significant + Negligible Negligible Slight + Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible

## Conservation Practice Physical Effects - Irr. Water Conveyance (Pipe) (430), page 2

Air Resource Problem / Consideration	Effect	
1. Quality		
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Negligible	
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite (c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite	Negligible	
	Negligible Negligible Not Applicable Not Applicable Not Applicable Not Applicable	
(d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite		
(e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite		
(f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite		
(g) Airborne Sediment Particulates Causing Conveyance Problems		
(h) Airborne Chemical Drift: Onsite		
(i) Airborne Chemical Drift: Offsite	Not Applicable	
(j) Airborne Odors	Not Applicable	
2. Condition	,	
(a) Air Temperature	Not Applicable	
(b) Air Movement	Not Applicable	
(c) Humidity	Negligible	
Plant Resource Problem / Consideration	Effect	
1. Suitability		
(a) Plants are not well adapted to site	NI-A A M E I -	
(b) Plants are unsuitable for intended use	Not Applicable	
2. Condition	Not Applicable	
Productivity (Kinds, Amounts, & Distribution)		
(a) Cropland	Cinnificant : to Cinnificant	
(b) Hayland and Pastureland	Significant + to Significant -	
(c) Rangeland	Significant + to Significant -	
• •	Not Applicable	
(d) Seeded Rangeland	Not Applicable Not Applicable Not Applicable	
(e) Annual Rangeland		
(f) Forestland		
(g) Other Land (Wildlife, Recreation, etc.)	Significant + to Significant -	
(h) Health and Vigor	Significant + to Significant -	
(i) Plant Damage by Wind Erosion	Not Applicable	
3. Management		
(a) Establishment, Growth, and Harvest	Negligible	
(b) Nutrient Management	Negligible	
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight + to Moderate +	
Animal Resource Problem / Consideration	Effect	
. Habitat		
Domestic Animals		
(a) Food	Slight - to Moderate -	
(b) Cover or Shelter	Moderate - to Significant -	
(c) Quantity and Quality of Drinking Water	Negligible to Significant -	
Wildlife		
(d) Food	Slight - to Moderate -	
(e) Cover or Shelter	Moderate - to Significant -	
(f) Quantity and Quality of Drinking Water	Negligible to Significant -	
. Management		
(a) Population / Resource Balance	Slight - to Moderate -	

## Conservation Practice Physical Effects - Irr. Water Mgmt. (449)

1. Erosion	
(a) Sheet and Rill	Negligible
(b) Wind	Slight + to Moderate +
(c) Concentrated Flow: Ephemeral Guily	Slight +
(d) Concentrated Flow: Classic Gully	Slight + to Moderate +
(e) Streambank	Slight + to Moderate +
(f) Irrigation Induced	Moderate + to Significant +
(g) Soil Mass Movement	Slight + to Moderate +
(h) Roadbanks and Construction Sites	Negligible
(i) Safety	Not Applicable
Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Moderate + to Significant +
(b) Soil Compaction	Slight + to Significant +
Soil Contaminants	, ,
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Moderate + to Significant +
(d) Excess Animal Wastes & Other Organics	Moderate + to Significant +
(e) Excess Fertilizer	Moderate + to Significant +
(f) Excess Pesticides	Moderate + to Significant +
1,7	
3. Deposition	Moderate + to Significant +
(a) Damage: Onsite	Slight + to Moderate +
(b) Damage: Offsite	Moderate + to Significant +
(c) Safety: Onsite (d) Safety: Offsite	Moderate + to Significant +
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Slight + to Moderate +
(b) Excess Amounts: Runoff / Flooding	Negligible to Slight +
(c) Excess Amounts: Subsurface Water	Slight + to Moderate +
(d) Inadequate Outlets	Negligible
(e) Water Management for Irrigated Land	Significant +
(f) Water Management for Non- Irrigated Land	Not Applicable
(a) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Unsite	Moderate + to Significant +
(h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite	Slight + to Significant +
(i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes	Slight + to Significant +
2. Quality	
Groundwater Contaminants	
(a) Pesticides	Slight + to Significant +
	Slight + to Significant +
(b) Nutrients and Organics	Slight + to Significant +
(c) Salinity	Negligible
(d) Heavy Metals	Slight +
(e) Pathogens	_
Surface Water Contaminants (Streams and Lakes)	Slight + to Moderate +
(g) Pesticides	Slight + to Moderate +
(h) Nutrients and Organics	Slight + to Significant +
(i) Suspended Sediment and Turbidity	Slight +
(j) Low Dissolved Oxygen	Slight +
(k) Salinity	Slight + to Moderate +
(I) Heavy Metals	•
(m) Temperature	Negligible Negligible
(n) Pathogens	Negligible
(ii) rainegene	Significant + to Significant

#### Conservation Practice Physical Effects - Irr. Water Mgmt. (449), page 2

Air Resource Problem / Consideration	Effect		
I. Quality			
(a) Sediment and Smoke Particulates Causing Safety Problems: Onsite	Negligible		
(b) Sediment and Smoke Particulates Causing Safety Problems: Offsite	Negligible		
(c) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite (d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite (e) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite (f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite	Negligible Negligible Negligible Negligible		
		(g) Airborne Sediment Particulates Causing Conveyance Problems	Negligible
		(h) Airborne Chemical Drift: Onsite	Negligible
		(i) Airborne Chemical Drift: Offsite	Negligible
(i) Airborne Odors	Negligible		
2. Condition			
(a) Air Temperature	Negligible		
(b) Air Movement	Negligible		
(c) Humidity	Negligible		
Plant Resource Problem / Consideration	Effect		
1. Suitability			
(a) Plants are not well adapted to site	Slight + to Moderate +		
(b) Plants are motively adapted to site	Not Applicable		
2. Condition	140t Applicable		
Productivity (Kinds, Amounts, & Distribution)			
(a) Cropland	Slight + to Moderate +		
(a) Cropiand (b) Hayland and Pastureland	Slight + to Moderate +		
· · ·	Not Applicable		
(c) Rangeland (d) Seeded Rangeland	Not Applicable		
(e) Annual Rangeland	Not Applicable		
,,	Not Applicable		
(f) Forestland	Not Applicable		
(g) Other Land (Wildlife, Recreation, etc.)	Slight + to Moderate +		
(h) Health and Vigor	Not Applicable		
(i) Plant Damage by Wind Erosion	Not Applicable		
3. Management	Slight L to Moderate L		
(a) Establishment, Growth, and Harvest	Slight + to Moderate +		
(b) Nutrient Management	Moderate + to Significant +		
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight +		
Animal Resource Problem / Consideration	Effect		
1. Habitat			
Domestic Animals			
(a) Food	Slight + to Moderate +		
(b) Cover or Shelter	Significant + to Significant -		
(c) Quantity and Quality of Drinking Water	Slight -		
Wildlife			
(d) Food	Slight + to Moderate +		
(e) Cover or Shelter	Significant + to Significant -		
(f) Quantity and Quality of Drinking Water	Slight -		
2. Management			
(a) Population / Resource Balance	Slight + to Moderate +		
(b) Animal Health	Slight +		